COMBINED DECLARATION AND POWER OF ATTORNEY

| As a below named | inventor, | I hereby | declare that: |
|------------------|-----------|----------|---------------|
|------------------|-----------|----------|---------------|

This declaration is of the following type:

| [X] | original |
|-----|----------------------|
| [] | divisional |
| [] | continuation |
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INVENTORSHIP IDENTIFICATION

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TITLE OF INVENTION

MULTI-CORE TRANSFORMER PLASMA SOURCE

SPECIFICATION IDENTIFICATION

The specification of which:

| was filed on , under Application No. | , executed on |
|---|---------------|
| | |
| even date herewith; or | |
| [X] Express Mail No (as Application No. not | yet known) |
| and was amended on (if applicable) | |
| was described and claimed in PCT International Application No | filed |
| on and as amended under PCT Article 19 on | <u> </u> |

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| I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign |
|---|
| application(s) for patent or inventor's certificate or of any PCT international application(s) designating at |
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| at least one country other than the United States of America filed by me on the same subject matter having |
| a filing date before that of the application(s) of which priority is claimed. |
| |

| | [X] | No such ap | oplications have been file | ed. | | |
|----------------------------------|--|--|---|--|--|--|
| | [] | Such apple | cations have been filed a | as follows: | | |
| A . | Prior f and an | oreign/PCT and priority cl | application(s) filed within aims under 35 U.S.C. §1 | n 12 mos. (6 mos. for 19 | design) prior to | this application, |
| | Cour | ntry/PCT | Application No | Date Filed | Priorit | y Claimed |
| | | | | | L J | es [] No es [] No es [] No |
| В. | | reign application | ation(s), if any, filed mor | re than 12 mos. (6 m | os for design) pri | ior to this |
| | | try: cation No: 3 date: | | | | |
| | | | PRIORITY CL | AIM (35 U.S.C. §12 | 0) | |
| or PC insofa applicacknown (name | T internar as the cation(s) whedge ely, info | ational appli subject mat in the man the duty to rmation whe | under Title 35, United Sication(s) designating the ter of each of the claims ner provided by the first disclose information there there is substantial like ther to allow the application(s) and the nation | United States of Am of this application is t paragraph of Title at is material to the telihood that a reason ation to issue as a pa | nerica that is/are is not disclosed in 35, United State examination of nable Examiner value (which occur which occur is not included in the interior which occur is not interior with the interior interior in the interior inte | that/those prior es Code, §112, I this application would consider i |
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| | | | | | Status | |
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I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| Peter J. Sgarbossa Joseph Bach | Registration No. 25,610 Registration No. 37,771 |
|--|--|
| Donald Verplancken | Registration No. 33,217 |
| Lawrence Edelman Michael B. Einschlag | Registration No. 25,226 Registration No. 29,301 |
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| Walter Benjamin Glenn Robert C. Colwell | Registration No. 44,713 Registration No. 27,431 |
| William L. Shaffer | Registration No. 37,234 |

Send correspondence to: Direct telephone calls to:

Patent Counsel, M/S 2061 Legal Affairs Dept. Applied Materials, Inc. P.O. Box 450A

Santa Clara, CA 95052

William L. Shaffer (650) 326-2400

DECLARATION

| Full name of sole or first inventor: CANFENG LAI | |
|---|---------------|
| Inventor's signature: | Date: 4/12/61 |
| Full name of second inventor: MICHAEL S. COX | |
| Inventor's signature: | Date: |
| Full name of third inventor: PETER K. LOEWENHARDT | |
| Inventor's signature: | Date: |

| Full name of fourth inventor: | TSUTOMU TANAKA | |
|-------------------------------|-----------------------------------|-------|
| Inventor's signature: | | Date: |
| Full name of fifth inventor: | SHAMOUIL SHAMOUILIAN | |
| Inventor's signature: | | Date: |
| | (Declaration ends with this page) | |

PA 3136588 vi

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| | | | • • | |
|---|---|---|---|---|
| | [X] No such | applications have been fi | led. | |
| | [] Such app | olications have been filed | as follows: | |
| A. | | Γ application(s) filed withiclaims under 35 U.S.C. § | | esign) prior to this application |
| | Country/PCT | Application No | Date Filed | Priority Claimed |
| | | | | [] Yes [] No [] Yes [] No [] Yes [] No |
| B. | All foreign applied U.S. application | cation(s), if any, filed mor | re than 12 mos. (6 mos | for design) prior to this |
| | Country: Application No: Filing date: | | | |
| | | PRIORITY CLA | AIM (35 U.S.C. §120) | |
| or PC insofa applie acknown (name import | er international appliar as the subject material cation(s) in the manuscript the duty to ely, information where the trant in deciding what is date of the prior applications. | ication(s) designating the tter of each of the claims mer provided by the first disclose information that ere there is substantial like ether to allow the application(s) and the nation | United States of Americof this application is no paragraph of Title 35, at is material to the exelihood that a reasonable tion to issue as a patent al or PCT international | y United States application(s) ca that is/are listed below and at disclosed in that/those prior United States Code, §112, lamination of this application e Examiner would consider it) which occurred between the filing date of this application |
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Legal Affairs Dept. Applied Materials, Inc.

P.O. Box 450A

Santa Clara, CA 95052

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| Inventor's signature: | | Date: | | | | |
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| Inventor's signature: | | Date: | | | | |
| Full name of third inventor: | PETER K. LOEWENHARDT | | | | | |
| Inventor's signature: | | Date: | : | | | |

| Inventor's signature: | Hour | Date: | 4-16-01 |
|------------------------------|----------------------|---------|---------|
| Full name of fifth inventor: | SHAMOUIL SHAMOUILIAN | | |
| Inventor's signature: | | _ Date: | |

TSUTOMU TANAKA

(Declaration ends with this page)

PA 3136588 vl

Full name of fourth inventor:

COMBINED DECLARATION AND POWER OF ATTORNEY

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| | [] 5 | Such appli | cations have been filed a | s follows: | • | | |
| A . | | _ | application(s) filed within aims under 35 U.S.C. §1 | • | lesign) prior to | this application, | |
| | Country | y/PCT | Application No | Date Filed | Priori | ty Claimed | |
| | | | | | [] Y | es [] No es [] No es [] No | |
| В. | All forei U.S. app | | ation(s), if any, filed more | e than 12 mos. (6 mos | for design) pr | or to this | |
| | Country: Applicat Filing da | ion No: | | | | | |
| | | | PRIORITY CLA | .IM (35 U.S.C. §120) | | | |
| or PCT insofar applica acknov (namel import | internation as the sulation(s) in wledge the ly, information tin decorate of the | onal application of the manner duty to atton when the prior app | under Title 35, United Stration(s) designating the lear of each of the claims of the provided by the first disclose information that there is substantial like there to allow the application(s) and the national complications have been file | United States of Amer of this application is re- paragraph of Title 33 t is material to the e- lihood that a reasonal ion to issue as a pater al or PCT international | rica that is/are last disclosed in the disclosed in the thick that is, United State xamination of the Examiner which occurs which occurs is the thick that it is the thick that is the thick that is the thick tha | isted below and, that/those prior s Code, §112, I this application ould consider it red between the | |
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| Full name of fourth inventor: | ISUIOMU IANAKA | | |
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PA 3136588 vt

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| | Country/PCT | Application No | Date Filed | | Priority Claimed | | |
| | | | | | [] Yes [] No [] Yes [] No [] Yes [] No | | |
| В. | All foreign application | ation(s), if any, filed more | than 12 mos. (6 m | os for des | ign) prior to this | | |
| | Country: Application No: Filing date: | | | | | | |
| | | PRIORITY CLA | IM (35 U.S.C. §12 | 0) | | | |
| or PCI insofar applica acknown (name) import | r international application as the subject matter ation(s) in the manual wledge the duty to ly, information whe tent in deciding where | under Title 35, United State cation(s) designating the Uter of each of the claims of the provided by the first disclose information that there is substantial like either to allow the application(s) and the national | United States of Am of this application is paragraph of Title t is material to the lihood that a reason ion to issue as a paterial and the paragraph. | nerica that s not disclass, Unite examinates able Examinates tent) whice | is/are listed below and losed in that/those prior of States Code, §112, tion of this application miner would consider it hoccurred between the | | |
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DECLARATION

| run name of sole of first lifeth | or Canfend Lai | |
|----------------------------------|----------------------|-------|
| Inventor's signature: | | Date: |
| Full name of second inventor: | MICHAEL S. COX | |
| Inventor's signature: | | Date: |
| Full name of third inventor: | PETER K. LOEWENHARDT | |
| Inventor's signature | | Date: |

| Full name of fourth inventor: TSUTOMU TANAKA | | | |
|---|-------|---------|--|
| Inventor's signature: | Date: | | |
| Full name of fifth inventor: SHAMOUIL SHAMOUILIAN | | | |
| Inventor's signature: Shumosil Shumosilian | Date: | 4/12/02 | |
| (Declaration ends with this page) | | | |

PA 3136588 vl

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|-----------------|---------------|------------|------------|

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| ع | , 2000 001011 11111 11 | | • | | |
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| Inventor's signature: | Date: 10 10 2001 |

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|-------------------------------|-----------------------------------|---------|---|
| Inventor's signature: | | Date: | |
| Full name of fifth inventor: | SHAMOUIL SHAMOUILIAN | | |
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PA 3136588 vi